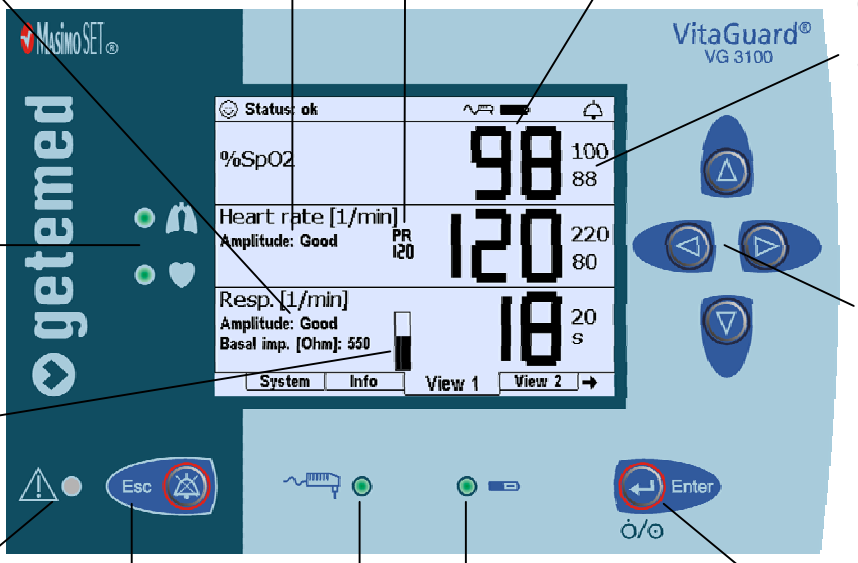
VitaGuard® VG 3100 – short instructions

This instruction leaflet does not replace the manual. If you are not familiar with the manual, the patient's health may be at risk. Please take sufficient time to read the manual.



AMPLITUDE and BASAL IMPEDANCE of the respiration signal

Quality of ECG AMPLITUDE

Current PULSE RATE

Current value of the respective vital function

Currently set alarm limits

LEDs flash synchronously with respiration and heart beat

Navigation keys

Respiration bar

LED „Alarm" flashes red for physiological and yellow for technical alarm.

<Esc> key for pausing the acoustic alarm and to exit menus

LED "External power adapter"

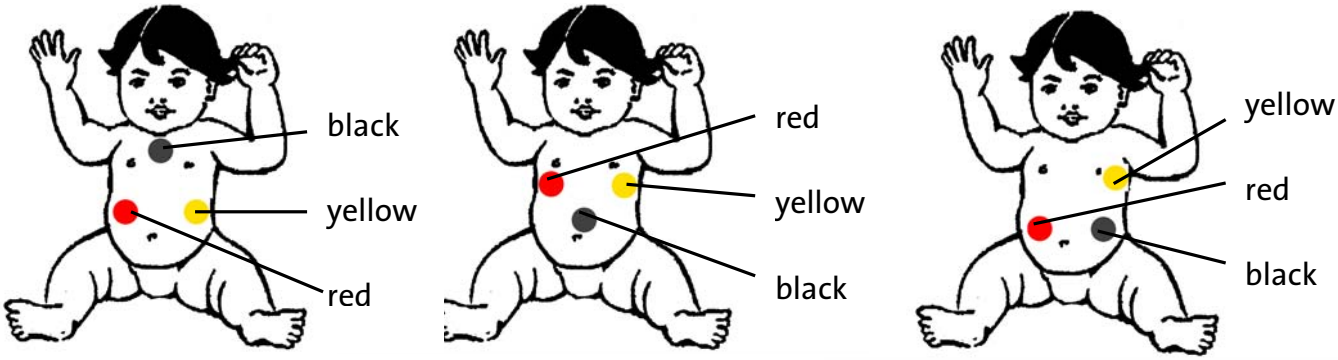
LED "Rechargeable battery is loading"

<Enter> key for switching on and confirming settings

ECG deviation, Colour coding of the electrodes

The respiration and heart signals are detected using the same electrodes which should be replaced every day.

- On infants, arrange the electrodes as depicted in Fig. a. This electrode configuration has often proved successful because the abdominal wall of infants clearly moves synchronously with the respiration.
- On all other patients, arrange the electrodes as depicted in Fig. b.
- If the electrode configurations depicted in Fig. a and b do not yield a good signal quality, you can also try the alternative electrode configuration depicted in Fig. c.



a) b) c)

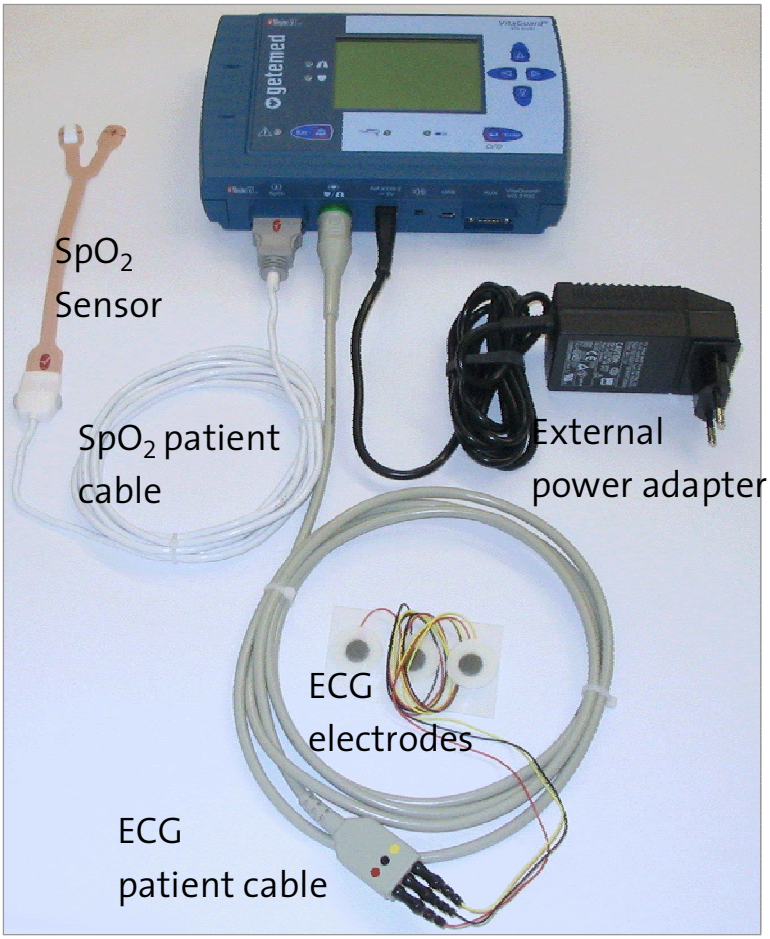
Check the basal impedance of the electrodes as well as the amplitude of ECG signal and respiration signal:

- The basal impedance should be less than 1000 Ω. If it is higher, you have to use new electrodes.
- For reliable ECG detection, the signal amplitude should be GOOD or MEDIUM.
- The respiration bar has to move over at least half its range.

If the ECG detection is not sufficient, proceed as described in the manual under "Determining the optimal electrode configuration". Furthermore, the doctor and qualified medical staff can proceed as described in "Changing the ECG lead for signal optimization".

Summary of steps before monitoring

- Insert the battery or batteries (do not switch on yet!).
- Use the external power adapter to connect VitaGuard® to the supply network (do not switch on yet!).
- Attach the SpO_2 sensor to the patient.
- Connect the SpO_2 patient cable to VitaGuard®.
- Connect the SpO_2 sensor to the patient cable.
- Connect the ECG patient cable to VitaGuard®.
- Attach the ECG electrodes to the patient.
- Connect the ECG electrodes to the patient cable.



- Switch on VitaGuard®.

Make sure that after the monitor is switched on the indicator lamps light up briefly and a short sound is emitted by the alarm buzzers.

Check that the alarm limits displayed are the same as those recommended by the doctor.

Switching off VitaGuard®

Always switch off VitaGuard® in the manner described here.

1 Press the <Enter> key and keep this pressed: the message PRESS ESC KEY appears.

2 Briefly press the <Esc> key, still keeping the <Enter> key pressed, and then release both keys.

The switch off command is acknowledged by two short beeps.

Data must be stored before the device finally switches off. For this reason, VitaGuard® needs about another two seconds after the keys are released until it switches off completely.

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